

**Third Quarter FY-2004 – EMP and Milestone Status  
DLC – August 17, 2004**

<b>Objective</b>	<b>Target(s)</b>		<b>EMP</b>
Reduce Non-Hazardous Wastes	75% reduction by 2005 and 80% reduction by 2010 based on 1993 baseline (641 tons). FY 2004 target: 200 tons (69% reduction)	OK 2/2	1.1
Reduce Hazardous Wastes	90% (reduction by 2005, using a 1993 baseline 18.46 metric tons). FY 2004 target: 3.62 tons (82.5% reduction)	OK 4/4	1.2
Increase Non-Hazardous Waste Recycling	Increase recycling of sanitary waste streams to 45% by 2005 and 50% by 2010 FY 2004 target: 41%	OK 1/1	1.3
Segregate Construction and Demolition Wastes	Study the technical and economic feasibility of segregating and recycling construction wastes FY 2004 - Report	OK 1/1	1.4
Energy Conservation	Reduce energy consumption through life-cycle cost-effective measures FY 2004 - reports, education, conservation efforts	OK	2.1
Reduce NETL Energy Consumption	Reduce energy use per square foot in laboratory and industrial (mixed-use) facilities by 20% by FY 2005, using a 1990 baseline. FY 2004 target: 300,300 BTU/sq.ft. (18.7% reduction)	OK 1/1	2.2
Annual Petroleum Fuel Consumption	Reduce annual petroleum consumption (adjusted for mileage) for NETL's vehicular fleet by 20% by 2005, using 2001 baseline. FY 2004 Target: ??? gallons per minute (??% reduction)	Caution	2.3
Usage Rate of Alternative Fuels	Increase usage rate of alternative fuels to 75% by 2005. FY 2004 target: ??% increase usage rate of alternative fuels	Caution	2.4
Energy & Environmental Leadership in New Building Design/Construction	Incorporate sustainable design features to attain Leadership in Environmental and Energy Design (LEED) certification and Energy Star designation for new building construction. fy-2004 - LEEDS certification for new buildings	OK 1/1	2.5
Reduce Hazardous Materials Procured, Received and Stored	Reduce the chemical inventory (number of containers) by 20% by 2005 based on 2002 baseline (4748 containers) FY 2004 target: (6600*.80= 5280 containers) current number = 4801 containers (27% reduction)	OK 1/1	3.1
Reduce/Eliminate Violations and Maintain Compliance with Industrial Sewer Use Pretreatment Permit	Zero (0) NOV's to be issued (REVISED TARGET).	Caution 1 NOV	4.1
Reduce Ozone Depleting Substances	Replace 150 ton chillers	<b>Danger</b> 1/1	5.1
Reduce Ozone Depleting Substances	Eliminate use of Class I refrigerants by year 2010, to the extent economically practicable and to the extent that safer alternatives are available. Baseline established in FY2002 (1390 lbs.). FY 2004 inventory revised upward by 110 lbs. . Must reduce 50 lbs per year until 2010.	OK	5.2
Reduce Generation of Greenhouse Gases	Reduce generation of greenhouse gases attributed to facility energy use through life-cycle cost effective measures by 25% by year 2005 and 30% by year 2010, using 1990 as a baseline (67.4 million lbs.). FY 2004 target is 51.7 million lbs. (24% reduction)	OK	5.3

Increase Use of Alternative Fuel Vehicles	Acquire at least 75% of light-duty vehicles as an alternative fuel vehicle by 2005 and 90% by 2010. FY 04 target: 75%.	OK	5.4
Decrease Air Emissions of Toxic Compounds	Reduce air emissions of toxics compounds, including a reduction in Toxic Release Inventory (TRI) listed items by 20% by the year 2005 using 1997 as a baseline (3,850 lbs.). FY 2043 target: 3,270 lbs.	OK 4/4	5.5
Decrease Air Emissions from Painting Operations	17%, VOC reduction or 35 lbs. released to atmosphere FY 2004 - Paint Booth not installed, might not be	OK	5.6
Reduce Risks to Workers and Environment Associated with CHF	Enclose a portion of Building 92 canopy to provide workers with adequate protection from elements and chemicals; replace roof of B92; and seal floor with chemically impervious sealant. Work begun in 2003	OK 2/2	6.1
Better Understand Impacts of NETL and Nearby Off-site Activities on Surface/Stormwater Resources	Conduct investigations to better understand the "potential" of NETL's activities to impact surface water and storm water resources. FY 2004 - report	---	7.1
Purchase EPA-Designated Items with Recycled Content at NETL	Increase to 100% purchase of items routinely used at NETL on the list of EPA-designated items manufactured from "post-consumer" materials. FY 2004 100% recycle	OK	8.1
Purchase EPA-Designated Items with Recycled Content at NETL	Devise method to monitor credit card purchases for recycling	OK	8.2
Reduce "Fence Line" Noise Levels Attributable to NETL Operations	Noise levels at the fence line attributable to NETL operations under normal conditions will be reduced to below ordinance standards 100% of the time by 2004; there will be zero complaints from neighbors. FY 2004 continue measuring	---	9.1
Conserve and Enhance NETL's Non-Industrial Land Use	Further develop feasibility study from 2002 to include preliminary drawings from a contracted Landscape architect. FY 2004 report & continue keeping NETL green	OK 4/4	10.1